

Schindler earns top prize

Dr. David Schindler wins Canada's highest research honour.

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Growing pains

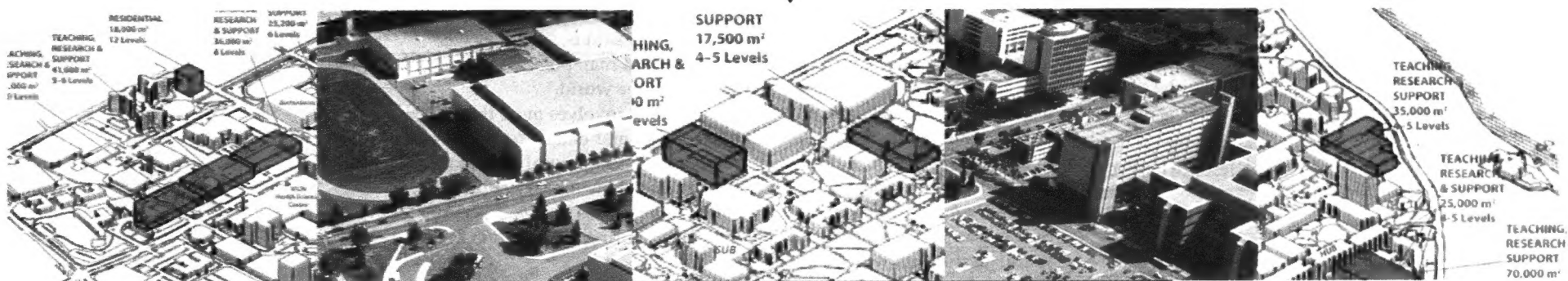
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UNIVERSITY OF ALBERTA

folio

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\$23.8-million grant launches islet transplant centre

Juvenile Diabetes Research Foundation finances clinical centre

By Richard Cairney

For years, Catherine Hutchison worried about her diet, and the ever-present threat of blacking out. An operating room nurse in Scarborough, ON., Hutchison gave up a regimen that involved giving herself as many as six insulin shots a day to control her diabetes, in favour of a small, battery-powered pump that kept her on an even keel.

But life wasn't exactly normal. "It has a syringe filled with insulin and at the end there's a needle, and that's stuck under your skin, 24 hours a day," she said. "The worry always was that you'd jump out of bed in the morning and it would be dragging on the floor behind you, or that it would catch on something...I was always checking that the tubing was under my clothes."

All that ended in October when Hutchison underwent an islet cell transplantation procedure at the University of Alberta Hospital. Pioneered by a U of A team of researchers led by Dr. James Shapiro, the so-called Edmonton Protocol established a set of procedures for islet transplantation from donor pancreases that can restore normal insulin production in people with Type 1 diabetes.

Now, that research is getting a huge financial shot in the arm from the Juvenile Diabetes Research Foundation. The foundation has announced a \$23.8 million grant to open a clinical centre at the University of Alberta.

The five-year grant is intended to sustain and advance the historic research known as the Edmonton Protocol.

"Canadian researchers have always been at the forefront of diabetes research, and we are thrilled about our commitment to continue support of the cutting-edge studies taking place at the University of Alberta," said Ron Forbes, the foundation's president and CEO.

"The Edmonton Protocol was a major



Dr. James Shapiro has been named the head of the new Juvenile Diabetes Research Foundation Clinical Centre at the U of A.

breakthrough in the path to finding a cure for the more than two million Canadians, and countless more around the world, who are affected by diabetes. We hope the development of this new clinical centre will enable JDRF-funded researchers to make even further strides in understanding how islets can be used to cure Type 1 diabetes," he added.

Hutchison said the new funding announcement is tremendous news, especially considering it could refine the process further.

"It's huge," she said. "This changes people's lives and I think it is wonderful they have recognized such an incredible accomplishment and are supporting it."

Development of the Edmonton Protocol "helped us to understand how we can use islets to treat people with Type 1 diabetes," said Shapiro, director of JDRF Clinical Centre, U of A. "Now we need to concentrate on how to alleviate the problems still associated with this procedure."

Some of those challenges include the fact the donor pancreases necessary for islet cell transplantation are hard to come by. Successful extraction of islet cells remains difficult, and it is challenging for researchers to determine which islet cells are likely to survive transplantation. Researchers also need to find a way to overcome rejection of transplanted tissue. Researchers hope to clear these hurdles

by testing safer and more effective immunosuppressive drugs.

"We are confident that with the support of this new centre, we will be able to put an increased emphasis on identifying solutions to these issues," said Shapiro.

Research at the centre will begin immediately. New projects will focus on three areas:

- Improving the safety, quality and effectiveness of transplanting islets for donor pancreases.
- Islet transplants and the complications associated with diabetes. This study will examine Edmonton Protocol patients to determine whether or not the restoration of normal insulin also reverses the complications associated with diabetes.
- Quality of life and cost of islet transplantation. Researchers will investigate how patients feel before and after transplant and will also evaluate economic costs of the transplant procedure.

"These studies are central to further understanding how we can use islet transplantation to cure people with Type 1 diabetes, and will help to determine the plausibility and economic realities of the procedure," said Shapiro.

For her part, Hutchison is still adjusting to life without insulin shot or being tied to her medication. "I am doing so good," she said. It's an enormous change, and one that came quickly. She first met with doctors in Edmonton June 6 – a year to the day after Hutchison read a newspaper article about the breakthrough procedure. "I thought that was an important day. You know the significant newspaper articles you cut out? That was one of them. I read it and I thought 'I'd like that to be my story.' And now it is." ■

(with files from Michael Robb, Carolyn Koff and Julie Kimbrough)

Unapologetic entomologist earns gold medal

U of A prof pioneers massive experiment

By Ryan Smith

Dr. John Spence is used to tracking down insects – the other day he came across some gold.

"It was the nicest thing that's ever happened to me in my career. I'm still a little stunned, but I'm not giving it back," he joked.

Spence was referring to the Entomological Society of Canada's (ESC) gold medal, which he received at the society's annual meeting in Niagara Falls in October. A biological sciences and entomology professor at the U of A since 1978 and now the chair of the Department of Renewable Resources, Spence won the national award for being "an outstanding researcher and teacher," according to Dr. Bernie Roitberg, president of the ESC.

"Basic research is not as fashionable as it was, say, 15 to 20 years ago, but it's absolutely critical. If you don't have the information you can't know what you're doing – it all comes down to the biology."

— Dr. John Spence

"His research is extraordinary in its depth and breadth," Roitberg said. "And he's been a tremendous success as a mentor and a teacher to thousands of students. His enthusiasm and passion for what he does really rubs off on them."

Throughout his career, Spence has supervised 43 graduate students who have gone on to faculty positions in places around the globe including Finland, Indonesia and Kenya.

However, as much as Spence enjoys teaching, his true passion is bugs. "Fundamentally, what really turns me on is studying insects – finding out what kinds there are and how they make their living...I'm an unapologetic entomologist."

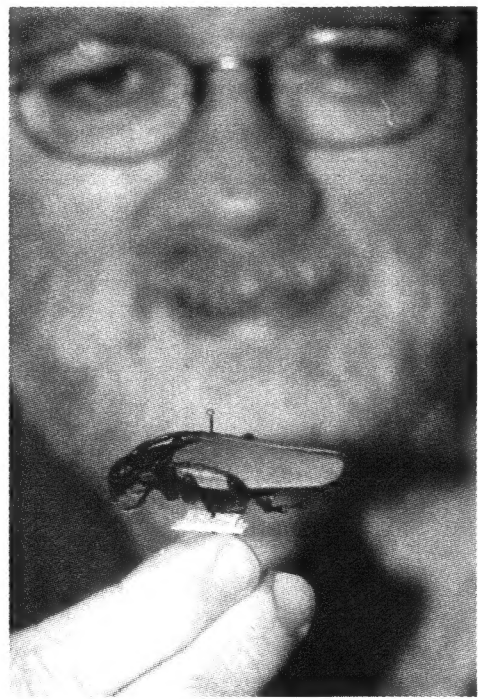
Currently, Spence is principal investi-

gator in what he said is, "as far as we know, the largest manipulative forestry experiment in the world."

The research involves more than 1,000 hectares of land and entails "experimental burns so we can test natural disturbance theories and see how forestry structure and alternative values like biodiversity are re-established during regeneration," Spence said.

Spence and his students have already pioneered the use of ground beetles for understanding impacts of forest practices on arthropods. He hopes his latest research project will lead to the further development of forestry management practices that are "sustainable, sensible and ecologically sensitive."

"The key is doing the research, though," he said. "Basic research is not as fashionable as it was, say, 15 to 20 years ago, but it's absolutely critical. If you don't have the information you can't know what you're doing – it all comes down to the biology." ■



Dr. John Spence is passionate about studying bugs.

folio

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Mystery of the thin blue line solved

Host families make foreign students feel at home

By Jacqueline Janelle

In Japan, belching loudly in a restaurant is a compliment to the chef. In Spain, never serve a meal unaccompanied by a loaf of fresh bread. In Vietnam, it's rude to use chopsticks to point. Cultural idiosyncrasies create social minefields for travelers. The smallest things, like how much to tip or whether to tip at all, often cause the greatest confusion, which sometimes leads to injured feelings and suspicion.

Life in a foreign land would be easier if there were someone to point out a local faux pas before it happens.

Monique Sauve tries to do just that for foreign students at the University of Alberta. She co-ordinates the International Centre's Host Program, established to help forge social bonds between visiting students and Canadians.

"It was set up in 1984 as a joint venture between Alumni Affairs and the International Centre as a means for international students to have some local support," said Sauve, the international student programs officer. "It's cultural adjustment and settling into the community. It's a chance for two people to become friends through cultural and social activities."

Sauve emphasizes that this is not a residency program – students already have their own accommodation. Instead they are looking for someone who will take them under their wing and show them the ins and outs of life in Canada.

Luis Lopez, from Mexico City, can't say enough good things about his first Thanksgiving in Edmonton. The business student was invited to his host family's home for the celebration. "I got to meet tons of their relatives," he says, smiling.

For many it is this contact with a Canadian that makes all the difference in their stay. "Even though you live here you don't get to know the meaning of things or the background," says Lopez. "My 'family' have been great about explaining things. I saw that blue line painted all over Edmonton [to designate the World Championships marathon course] and I didn't know why it was there!"

Sauve says host families often play a critical role as cultural guides because the international students are comfortable asking questions they might feel foolish asking their peers.

"These students are often trapped in their tiny room at HUB mall," says Anne Nielsen, a program participant for the last

five years. "If they don't have a car they rarely travel beyond Whyte Ave. We give them an opportunity to see other parts of the city. We take them bowling, to the Fringe and to Klondike Days."

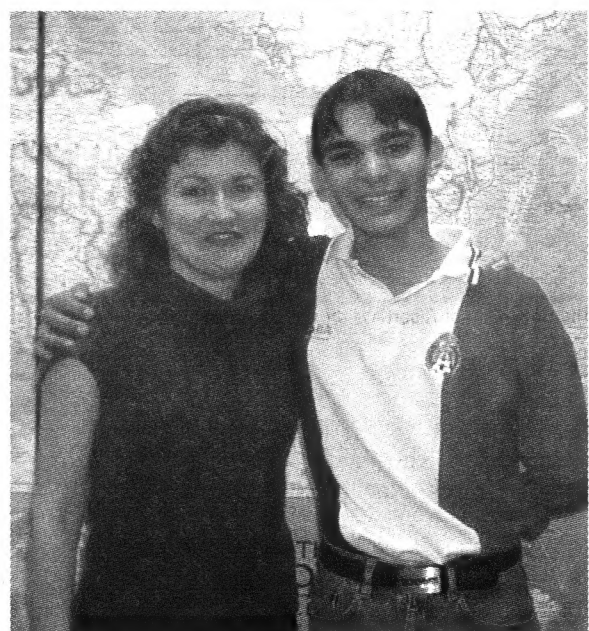
The mother of two wanted her boys to grow up with a global perspective but says introducing a newcomer to Edmonton also allows one to examine one's own city with fresh eyes.

"There's always some laughter when you try to explain something and there's a blank look in return," says Nielsen, who's hosting a young woman from Japan this year. "She likes to watch Canadian cooking," says Nielsen. "She also likes to prepare Japanese food for us. She gets a feeling of contributing as well as being able to see how Canadian families function and relate to each other."

Nielsen has, among other things, helped her student get her VCR fixed. "She doesn't expect me to do everything for her, but it's nice to have somebody here that knows the system and can tell you what place to go to."

That sentiment is familiar to Janet and Gordon Walker. They have been on both sides of the fence. Originally from Moose Jaw, Sk., the couple moved to Edmonton about three years ago. Sandwiched between the two cities, however, were five years in Virginia. While in the United States, Janet, who now works as Assistant to the Vice-President (Research) at the U of A, became involved with an international women's group which eased her transition into the American lifestyle. "There were people from everywhere, all over the world. We learned all kinds of things together; it got me involved with the community," she said.

She found the experience enriched her time in the U.S. tremendously. When Gordon accepted a position in the Faculty of Physical Education and Recreation at the U of A, they knew they had the chance to return the favour by enlightening international students as to the particularities of prairie people. "It was a kind of pay-back," Gordon said of the two years they acted as hosts. This year time constraints



Monique Sauve helps UofA students like Luis Lopez find new friends in Canada.

have forced the Walkers to take a break, but both are looking forward to rejoining the program next fall.

Sauve says her biggest challenge as program co-ordinator is managing the disparity in the number of hosts and students. "There are currently 10 students waiting for hosts this year; 15 have already been matched," she said. "This is a good opportunity for Canadian families to learn more about different cultures without having to leave their own home and city." The time commitment is flexible; although the minimum expectation is that the host will call their student once a month.

Lopez says the reward more than justifies the effort: "It's a win-to-win opportunity. We both get to know new people and other cultures, and that enriches people."

Any families interested in getting involved in the program can call Monique Sauve at 492-6194 or by email at monique.sauve@ualberta.ca. ■

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Growing pains

The university looks for the best way to grow

By Richard Cairney



The University of Alberta is on the brink of an ambitious period of growth, and is developing a long-range plan to accommodate change.

An old saying tells us that good fences make good neighbours. But even building a fence depends on some agreement between neighbours on what kind of fence to build. Anticipating as many as 6,700 more students by the year 2010, the University of Alberta is facing tremendous change. In fact, to accommodate growth projections, the university needs to expand its facilities by as much as 40 per cent during the next decade. Figuring out the best way to grow, to the benefit of the university and its own neighbours, has been a long, complicated process.

Two years ago university administrators and leaders of communities surrounding the campus met to discuss the best ways to handle change. In May of this year neighbouring communities were told of the university's Long Range Development Plan, a document being developed to guide U of A growth for the next 50 years. News of the university's plans kicked off the beginning of a year-long consultation between the university and its neighbours.

In September, three of the university's growth options were presented to campus and neighbouring communities, to stimulate discussion of ways the U of A can meet its own needs with the least disruption to neighbouring communities. One of the options caused considerable controversy in North Garneau, a quiet neighbourhood on the east side of campus. All three plans involved varying degrees of university and commercial development in the area but homeowners took particular offence at one option, which they felt put their homes in immediate jeopardy.

Jim Mitchell, the university's acting Vice President (Facilities and Operations) says the U of A has no intention of forcing its ideas onto its neighbours. "This is consultation," Mitchell said. "We are saying, 'this is what we are thinking of doing—what are your thoughts?' The university has laid all its cards on the table."

In fact, the community consultation process involves repeated presentations in which the university seeks feedback from neighbours and other stakeholders on how various growth scenarios will affect them. On Nov. 20, a community workshop will be held to discuss changes made to the options presented in September. A preferred concept, which addresses many community concerns, will be made public during an open house Nov. 27 at Foote Field. At that time, the university will begin to collect feedback yet again, in order to further refine the concept.

The U of A has held three open houses to share information with the public. Approximately 300 people have attended the sessions—roughly 100 of them from within the university community itself. So far, 125 forms evaluating the university's first-draft plans have been submitted to the U of A. The forms are available online at www.ualberta.ca/consult along with details of the Long Range Development Plan.

Common themes have emerged through the process: community residents seem most concerned with traffic congestion, parking availability and the fate of existing green space in the face of increasing student enrolments.

When it comes to accommodating growth, one community suggestion that has received plenty of attention, particularly in the media, would redirect the university's development plans to fill a glut of vacancies in Edmonton's downtown core. Karin MacCarthy, a North Garneau resident, says an idea to renovate the largely vacant Bay building for student housing solves one of the U of A's development issues and would provide a much-needed injection of people and capital into the

sluggish downtown area.

"The LRT is right there too," MacCarthy said. "It's a five-minute ride from the university to the Bay station—it takes longer than that to walk across campus."

But Bernie Schwartz, a professor emeritus (education) who taught at the U of A for three decades and who has lived at his Lansdowne home next to the South Campus for just as long doesn't think the university's role is that of sparkplug for downtown retailers. He believes provincial government employees working at the Neil Crawford Centre, in the heart of the South Campus, could be moved downtown, closer to their counterparts, allowing the U of A to take over the south-side building.

"A number of people have pointed out that the government people should go downtown," said Schwartz, a member of the Lansdowne Community League executive. "It is one innovative possibility."

And Mitchell, who is responsible for making sure the U of A is physically capable of achieving its goals, says the idea of sending students downtown, away from the university, is inconvenient. "Students don't want to pay \$190 per month to park...they need campus life to help them through their education," he said, adding that reports of the Bay building being offered to the U of A for \$1 per year are false.

Schwartz says he and his neighbours are more concerned with issues such as traffic congestion along 122 Street, an already busy thoroughfare that would become even busier if the university expands the South Campus. Residents are also curious about development scenarios that would see the West 240, a parcel of land farmed by the Department of

» quick » facts

- The Long-Range Development Plan is a year long process that will conclude in March, 2002 when a final draft is presented to the Board of Governors for approval.
- The LRDP is being developed in a collaborative process that will, on an ongoing basis, take into consideration concerns of various stakeholders.
- The university is looking for feedback on how the LRDP affects stakeholders' lives, their research and learning.
- Anyone wishing to learn more and comment on the LRDP can access it at www.ualberta.ca/consult.
- The next open house takes place on Nov. 27 at Foote Field (6820-116 Street) from 4 – 9 p.m. University staff will be on hand to answer questions and receive feedback on the next stage of the LRDP.

Agriculture Food and Nutritional Sciences, transformed to accommodate new research facilities.

The farm is "a valuable resource to the city," said Schwartz. "We are blessed here with this open space, which is a great contribution to recreational and environmental quality."

Mitchell says the idea is that the West 240 become a centre for research with university partners which could include the Research Transition Facility, where students, researchers and private partners work together to bring new ideas and products to market. Suggestions that the facilities be moved to the furthest reaches of the city's south side, near the Edmonton Research Park, the Alberta Research Council and the Centre for Frontier Engineering Research would sever the centre from the rest of the university. Students and professors would have a hard time travelling between the lab and classes. "We need something there that we can connect directly to faculty and students," Mitchell said.

"The key thing right now," Schwartz said, "is that people are concerned with the height of potential buildings, the density, and potential hazards of private interests doing cutting-edge work where there are a lot of unknowns."

Mitchell says those issues, along with others, will be addressed as the university's final development plans are shaped by public input. Schwartz, who refers to the consultation process the U of A has set out as "very healthy" remains somewhat skeptical, given the magnitude of the planning under consideration. Mitchell admits the planning process will take considerable time, but says that is its strength.

"The university has some really tough decisions ahead of it," said Mitchell. "It's a complex process, but it's also a transparent process. I've certainly heard what people have said, and we'll continue to listen." ■

Schindler wins \$1 million research award

NSERC award is highest honour in Canadian research

By Richard Cairney

A few weeks ago Natural Sciences and Engineering Research Council (NSERC) President Tom Brzustowski told a group of University of Alberta researchers that scientists in this country just don't get the recognition they deserve.

"We don't celebrate achievement enough in this country," he said, addressing an audience of NSERC board members from across the country and U of A recipients of the council's research grants. "We're still reticent about proclaiming the achievements of our scientific intellectuals."

At the same meeting, U of A ecologist Dr. David Schindler echoed those sentiments. "There is almost an anti-science attitude in a lot of Canadian society," Schindler said.

Last week NSERC did its part to solve that problem, by awarding Schindler the Gerhard Herzberg Gold Medal for Science and Engineering. The prestigious award includes \$1 million in research funding and is considered the highest honour for Canadian researchers. That means Schindler receives an additional \$509,125 on top of NSERC's existing funding for his research.

Schindler has been internationally recognized for his research on the harmful effects that acid rain and phosphorous-rich detergents have on fresh water. His work has led to important public policy changes, including restrictions on acid emissions and legislation controlling phosphorous in soaps and detergents.

During the 1960s Schindler went against popular scientific theories that carbon was responsible for the overfertilization of lakes. He proved phosphorous was the key stimulator of plant growth and animal population changes in lakes. In doing so, Schindler also pioneered a new method of research, using whole-ecosystem experiments that involved the study of an entire lake. Schindler established the Experimental Lakes Area in northwestern

Ontario, which he directed for 22 years.

Schindler has earned significant accolades in recent years. He is the only Canadian to receive both the Stockholm Water Prize (1991) and the Volvo International Environment Prize (1998).

Earlier this year he was named a Fellow of the Royal Society of London. In addition, he has received the International Society of Limnology's Naumann-Thienemann Medal and the American Association of Limnology and Oceanography's Hutchinson Medal for leadership and originality in developing the Experimental Lakes Area.

He said the Herzberg Medal is somewhat different than other awards because its recipient is not chosen from a single discipline.

"The others are awards for accomplishments in specific fields—this cuts across all the sciences. It is a different sort of award," he said. "I view it as much as a celebration of NSERC as it is for myself. They are the organization that administers Canadian science and trains young Canadian scientists."

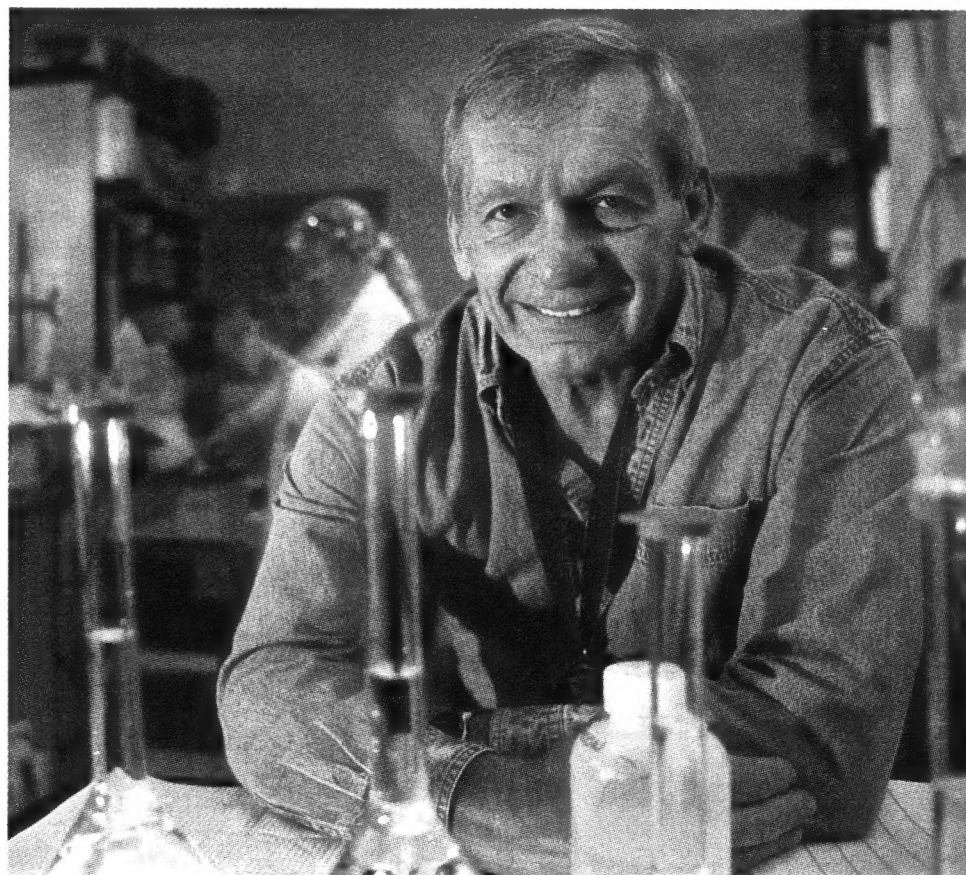
"David Schindler is a role model for many young scientists the world over," said NSERC President Tom Brzustowski. "He has had an enormous influence beyond his field."

Colleagues from across campus and the country extended congratulations. Ecologist and broadcaster Dr. David Suzuki, who recently consulted Schindler for a four-part TV series he is filming, could think of no better recipient of the award.

"David Schindler should be a role model for every budding scientist," said Suzuki. "He is a meticulous, inventive researcher who is open to approaches outside his own area of expertise. He sees with clarity that everything is connected to everything else; that the biosphere is a single entity and that anything we do has

"David Schindler should be a role model for every budding scientist. He is a meticulous, inventive researcher who is open to approaches outside his own area of expertise. He sees with clarity that everything is connected to everything else ... We need more scientists with that understanding."

— Dr. David Suzuki



Dr. David Schindler has won the NSERC Gerhard Herzberg Gold Medal for Science and Engineering.

consequences. We need more scientists with that understanding...I congratulate the University of Alberta for supporting and holding on to Dr. Schindler."

Noting that Schindler's research is in a field that "impacts everyone in the world," U of A President Dr. Rod Fraser said Schindler's dedication makes a difference.

"David is passionate about his research," said Fraser. "He is a role model for our emerging scientists and continues to have an enormous influence beyond his field."

Schindler said the \$1 million award means he has more time to conduct research and less time raising funds to support it. "This will liberate me so I can write papers and do science," he said.

He plans on pursuing a couple of lines of research he has been involved in, such as the restoration of lakes suffering damage due to the introduction of alien

species; and to conduct further study on new airborne pollutants appearing in ecosystems.

The direction of his research, he said, relies to a degree on his students. "I look for students who are interested in designing and executing their own research program. It's very important that they stretch their creativity—that will be the name of the game for the rest of their careers, so why not start now?"

Two other U of A researchers were honoured by NSERC Monday: the Faculty of Engineering's Dr. Simaan AbouRizk, who received an NSERC 2001 Steacie Fellowship for outstanding engineers; and the Department of Computing Science's Dr. Yuri Leontiev, recipient of the NSERC Doctoral Prize Silver Medal for outstanding doctoral studies completed in science and engineering at a Canadian university. ■

GSA launches new online journal

Grad students volunteer time and talent

By Phoebe Dey

Understanding the past through oral history, predicting hunting patterns in Western Canada and overcoming the fear of death are a sample of topics covered in the inaugural edition of *Crossing Boundaries*, a new online journal produced by the University of Alberta Graduate Student Association (GSA).

"It's unique," said Wendy Chrapko, managing editor of the journal and vice-president (academic) of the GSA. "I don't think anyone else is doing it in Canada."

Crossing Boundaries, an interdisciplinary, peer-reviewed journal, is published twice a year and gives U of A graduate students a forum to share their research and prepare for the editing process of the academic world. Its first edition is located at <http://www.ualberta.ca/GSA/ejournal/vol1no1/front.htm>.

"Some programs strongly encourage you to publish a certain number of papers and for many grad students that venue isn't there," said Chrapko, a master's stu-



Wendy Chrapko, managing editor of *Crossing Boundaries* and vice-president (academic) of the GSA, says the electronic journal offers graduate students opportunities and challenges.

dent in psychiatry. "It maybe doesn't have the same prestige as *Science* or *Nature* but it still is published and gives them practice on what to expect later in their career."

GSA president Brad Wuetherick came up with the idea for *Crossing Boundaries*.

Because more graduate students are expected to publish their work, and most of the space in academic journals goes to professors, Wuetherick thought providing a peer-reviewed journal would be a perfect solution for U of A students.

"We were also looking at several options to build a better support network for our students and this seemed like one that we could do that didn't cost a lot of money, yet provided a valuable service," said Wuetherick, a master's student in history. "We also wanted to make sure it was interdisciplinary because there is so much happening on campus, and this first issue is indicative of the

diversity here."

The articles came from varying faculties, by students in computing science, rural economy and health promotion studies. Once students submit a paper, the work is sent to two editors—also graduate students in the same or similar research area—and it undergoes a vigorous editing process, said Chrapko.

"Everyone on the editorial board is a volunteer and a graduate student and is likely working on this in the evening, but I think people are willing to put in the time because they realize the importance of having such a journal to contribute to," said Chrapko. "It's a great opportunity." ■

"Everyone on the editorial board is a volunteer and a graduate student and is likely working on this in the evening, but I think people are willing to put in the time because they realize the importance of having such a journal to contribute to. It's a great opportunity."

— Wendy Chrapko

The Taliban have fallen!

But Afghanistan's troubles are far from over

By Dr. Saleem Qureshi

The Americans had not quite disposed of one monster they created, i.e., Osama bin Laden, before they created a new one, i.e., the Northern Alliance in Kabul. With American firepower decimating the Taliban, the Northern Alliance victory was inevitable. Against American and Pakistani wishes, the Northern Alliance has entered Kabul under the faint excuse of filling the power vacuum.

The Taliban have been pushed to the southeast, their ethnic stronghold, with Kandahar as their seat of power. Kabul has easily fallen to hostile or foreign forces many times, but that has given little advantage to the occupying power. The Taliban, pushed to the south, have no place to run. Their leader, Mullah Omar, and Osama bin Laden both know their fate if captured alive. They are, therefore, going to put up the most resolute resistance they are capable of and would prefer to go down fighting. After all, the status of a martyr is far more glorious than that of a captured prisoner. Defections and bribes cannot be discounted, but it seems unlikely that the Taliban will give up quietly. A period of turmoil and warfare not only in the south of Afghanistan but in and around Kabul seems to be the most likely outcome.

The Americans told the Northern Alliance to stop short of Kabul and wait for broad-based coalition to emerge and take power. This coalition was supposed to provide representation not only to the factions

in the Northern Alliance but also to the Pushtuns, who constitute almost half the population of Afghanistan. As it is, the Northern Alliance demands half the representation in the future coalition government.

The Northern Alliance is seen as mainly a Shii coalition between the Tajik and the Hazaras, periodically joined by the brutal, ruthless and totally mercenary General Abdul Rashid Dostum, the 47-year-old Uzbek warlord. The titular head of the Alliance is Burhanuddin Rabbani, the 61-year-old Tajik, whose government occupies the Afghan seat in the UN. The brutality and the ruthlessness of the Alliance during its control of Afghanistan between 1992 and 1996, was such that the Taliban were easily able to topple the Alliance. The Northern Alliance differs from Taliban only marginally in the enforcement of highly restrictive 'Islamic' lifestyle. To expect the victory of the Northern Alliance to usher in an era of tolerance and openness will be a real leap of faith.

If the Americans were really serious about Kabul and the Northern Alliance, they needed to put their own soldiers on the ground. Air power can destroy but it cannot occupy land – to accomplish that you need to have your own force on the territory. What are the Americans going to do with Northern Alliance occupying Kabul? Will they use arms or force to compel the Alliance to withdraw and wait for orders from Washington? This is one of

those headaches that has been created by a superpower that seems to embark on major projects without fully working out the implications and consequences of its actions. It seems most likely the unity of the Northern Alliance will be subjected to the stresses of each faction trying to maximize its advantage at the expense of the other unavoidably leading to infighting. The suffering of the people will be blamed on America for creating this situation.

There has been a great deal of talk about creating a broad-based government, giving representation to all the various factions, ethnicities, tribes, sects, etc. If there was an opium dream, this has to be at the top.

Afghan society is and has been tribal, authoritarian and undemocratic, with a deep seated culture of violence. Issues and conflicts are resolved by raiding, fighting and bribing rather than by discussion, deliberation and consensus building. A broad-based government under the leadership of the deposed King Zahir and based on the co-operation of factions whose history is more of competition and conflict will not work. Of all the times, this is one of those when a truly strong ruler is needed to force the various warlords and tribal factions into submission. Such a ruler needs to be a Pushtun in order to secure the support of the largest ethnic group in the country. Such a ruler needs to have a strong army and a full treasury. Such a ruler must never be any other power's

proxy or surrogate. Such a ruler must be a man of great physical strength, political fortitude and enthusiasm for Afghanistan. Such a ruler must also win the confidence of the people. Will a broad-based government with the old king at its head work? Unlikely. The candidates on the horizon don't fill the bill.

As a matter of pure speculation, it may just be possible, particularly because of the exhaustion and suffering of the people, that the leadership of the UN for a transitional period may be acceptable – if it comes to Afghanistan not as a proxy for America or Pakistan. The UN will have to have a strong mandate given to the Secretary General. The peace-keeping force will have to be entirely Muslim, under Muslim command and not from any of the countries that have been accused of meddling in internal Afghan affairs. Such a force could be drawn from Indonesia, Malaysia, Bangladesh, Turkey, Morocco. This will be only a temporary measure but will have to be of sufficient length to work for restoring the infrastructure and agriculture, providing a measure of peace and security to the ordinary Afghan and a stake for him in the maintenance of a stable Afghanistan.

After that the Afghans can decide how and by whom they want to be governed. ■

(Dr. Saleem Qureshi is a professor of Middle East politics at the University of Alberta's Department of Political Science.)

positions

The records arising from these competitions will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

ACADEMIC TECHNOLOGIES FOR LEARNING SPECIAL PROJECTS CO-ORDINATOR

This advertisement is directed to an individual with administrative/professional experience and an interest in research and development related to learning technologies.

Reporting to the director, and as a member of the ATL executive team, this individual will have two main responsibilities:

Planning, directing and supervising special, multi-partner ATL projects through collaboration with the director of ATL and the executive team, and through independent work.

Implementing administrative decisions reached in conjunction with the rest of the executive team and/or director of ATL.

As an academic unit in the Faculty of Extension, ATL provides leadership and support to faculties in developing and evaluating technology-mediated learning environments in undergraduate, graduate, continuing professional development, and 'non-formal' programs. ATL works with institutional, provincial, national and international partners to identify collaborative research opportunities related to the development and evaluation of distributed learning environments.

Currently, three areas receiving emphasis and support include the field of learning objects and knowledge management systems, especially as related to large-enrollment, undergraduate courses receiving transfer credit; international curriculum exchange partnerships; and the development and evaluation of blended delivery models. These initiatives are typically multidisciplinary, multi-partner, and include many complex activities distributed between team members both within, and external to ATL. This individual will assume responsibility for the initiation, development and implementation of these projects.

As a member of the ATL executive team, this individual will also represent ATL on specific faculty, institutional, and provincial committees related to these areas.

This individual will work directly with the executive team to identify areas of research and potential funding sources, and will prepare research proposals

to support ATL-sponsored projects. For example, in collaboration with another Faculty, ATL might seek research support from SSHRC, the Office of Learning Technologies and other related agencies, and/or industry and community partners.

Specific responsibilities might include, but are not limited to:

- Identifying funding opportunities for research and innovation related to teaching and/or educational technology in higher education.
- Providing assistance, advice and direction in crafting funding proposals.
- Working closely with external funding agencies on budgetary and financial elements of special projects, to arrive at mutually beneficial contractual agreements.
- Collaborating in writing and editing written reports for special projects, utilizing excellent writing, formatting and presentation skills.
- Developing synthesis and/or briefing documents for university senior administration.
- Working with the ATL director and managers to ensure that contractual obligations are fulfilled.
- Working in close collaboration with the director, marketing services of the Faculty of Extension to showcase special projects through a variety of communication, marketing and public relations events, activities and products.

Qualifications:

Minimum of a Master's in a related field, including educational or instructional technology; program evaluation; library and information science; distributed learning; business.

Two to five years experience working in a post-secondary research environment, an ability to interact with staff members at all levels of the organization, as well as external and internal stakeholders, and should possess strong organizational, research, communication and analytical skills.

This full-time, term position will extend over a period of twelve months with a possibility of extension. The successful candidate will be a member of the academic staff at the University of Alberta and will be eligible for participation in a benefit program available to academic staff.

Salary Range: \$37,400 to \$60,200.

Deadline for applications is December 16, 2001. Curriculum vitae citing three references should be forwarded to:

Dr. Katy Campbell, Ph.D.
Director, Academic Technologies for Learning
Associate Dean, Research
Faculty of Extension
4-18 University Extension Centre
University of Alberta. 8303 – 112 Street
Edmonton AB T6G 2T4
780-492-3655
E-mail: katy.campbell@ualberta.ca

ACUTE/TRAUMA CARE CO-ORDINATOR ALBERTA CENTRE FOR INJURY CONTROL AND RESEARCH

ACICR is seeking an energetic, motivated and team spirited individual to initiate and co-ordinate activities relating to acute/trauma care injury control initiatives. The co-ordinator will:

Collaborate with emergency care providers across the province to identify priorities for injury control for the purpose of developing and implementing acute care/trauma injury control initiatives.

Develop and maintain a network of stakeholders representing the Alberta trauma and acute care injury community by facilitating an arena for education, research, information sharing and program support.

Collaborate with pre-hospital services, acute care, and communities to develop, promote and implement best-practice guidelines regarding the care of the severely injured patient.

Support provincial initiatives to attain and maintain national accreditation of trauma centres in Alberta.

Collaborate with the ACICR research team to identify and develop research opportunities.

Facilitate the delivery of standardized provincial training courses to assist and support trauma personnel and health care professionals working with injured patients.

Qualifications:

Undergraduate degree in Nursing or equivalent. Master's preferred.

Three - five years experience in the emergency services.

Teaching experience in emergency and trauma education an asset.

Research knowledge and experience preferred.

This is a full time position, based on a 35-hour workweek, with a salary range of \$38,000 to \$54,000. A generous benefits package is available.

Please submit résumé with salary expectations by Friday, November 30, 2001 to:

Rachel Foster
Associate Director - Operations
Alberta Centre for Injury Control and Research
RTF4075, 8308 - 114 Street,
Edmonton, Alberta T6G 2E1
Email: rachel.foster@ualberta.ca

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talks & events

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NOVEMBER 1 AND EVERY THURSDAY UNTIL APRIL

The Campus Observatory, roof and 7th floor of the Physics Building, is open for the 2001-2002 academic year. Open to everyone on Thursday evenings (except exam and holiday periods) beginning at 8:00 p.m. Special nighttime or daytime group visits can be arranged for other days and times. The Observatory will be open regardless of weather conditions. On cloudy nights a slide show can be substituted for telescopic observing. Reservations not required. For additional information, please contact Adam Pigeon, S.P.A.C.E. (Students Promoting Astronomy Culture and Education) – new club formed by the undergraduate student volunteers, apigeon@ualberta.ca, or Doug Hube, 492-5410, or Sharon Morsink, 492-3987.

NOVEMBER 16

Centre for Entrepreneurship and Family Enterprise. Seminar "Advising the Family Business." Alumni House from 9:00 a.m. to 5:00 p.m. Call 492-5876 for more details.

Department of Biological Sciences. Ecology Seminar Series (part of the Biological 631 Seminar Series). Pam Rutherford, "Costs of reproduction in northern alligator lizards." Room B5 M-145, Biological Sciences Building. 12:00 noon.

John Dossetor Health Ethics Centre. Health Ethics Seminars. Brent Windwick, Executive Director, Health Law Institute presents "The Privacy Space in a Public Place: Issues and Ethics in Health Information Law." Room 207, Heritage Medical Research Centre, 12:00 noon to 1:00 p.m.

Department of Medical Genetics and Alberta Heritage Foundation for Medical Research. Dr. Art Petronis, Assistant Professor, Department of Psychiatry, University of Toronto. "Human morbid genetics revisited: Relevance of epigenetics." Classroom D (2F1.04) Walter Mckenzie Centre. 12:00 to 1:00 p.m.

Department of Physics Colloquium. Professor Jaymie Matthews, University of British Columbia, "Bringing Aliens into the Classroom." Room V-129 Physics Building, 3:15 p.m.

Molecular Biology and Genetics Research Group (part of the Genetics 605 Seminar Series). **Department of Biological Sciences.** David Morgan, University of California, San Francisco, "Driving the Cell Cycle: Substrates of the Cyclin-Dependent Kinases." Room M-149 Biological Sciences Building, 4:00 p.m.

Department of Music. Faculty Recital. Tanya Prochazka, cello and Jacques Despres, piano. "The Goldberg II." 8:00 p.m. Convocation Hall, Arts Building. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

Department of Physiology. Seminar "Physiological alterations in myogenic tone and venous compliance," Zoe Brookes, Postdoctoral Fellow, Department of Physiology, U of A. Room 207 HMRC, 3:00 p.m.

Department of Secondary Education. Presentation "Loneliness in Education: Toward a Psychoanalytic Inquiry." Dr. Deborah Britzman, Professor, Faculty of Education, York University. Room 122, Education South, 2:00 to 3:30 p.m. Refreshments will be provided.

Department of Earth & Atmospheric Sciences. ATLAS Seminar "Where are the tropical dry forests?: A conservation enigma." Dr. Arturo Sanchez-Azofeifa. Tory 3-36, 3:00 to 4:00 p.m.

NOVEMBER 17

Career and Placement Services. Workshop. "Creating Resumes and Cover Letters that Work!" Room 4-02 Students' Union Building, from 9:00 a.m. to 12:00 p.m.

Career and Placement Services. Workshop. "Interview Skills." Room 4-02 Students' Union Building, from 12:30 to 3:00 p.m.

U of A Philosophers' Café: an opportunity for the public to engage in informal, lively conversation about philosophical or topical issues. Topic "Is Terrorism War?" Guest Scholar: Jennifer Welchman, Professor, Department of Philosophy. Moderator: Bernard Linsky, Chair, Department of Philosophy. Nina's Restaurant, 10139 – 124 Street, from 2:00 to 3:30 p.m.

Department of Music. Nada-Avaz: Sounds of India and Persia. A concert for Global Understanding. Featuring: Amelia Maciszewski (sitar), Uday Ramdas (tabla), Amir Amiri (Persian santoor) and Tanya Kalmanovitch (violin). Convocation Hall, Arts Building. 8:00 p.m. \$10/\$5 students. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information. For more information, call 492-8211.

NOVEMBER 19

Department of History and Classics. Dr. Penelope Allison, School of Archaeology and Anthropology and School of Humanities, Australian National University, "Roman Archaeology and Feminist Philosophy." Room 2-58 Tory Building, 3:30 p.m.

Louis D Hyndman Sr Lecture and Awards. Keynote speaker: Brian Keating, Head of Conservation Outreach, Calgary Zoological Society, "Will the Wild Remain Wild Only If It Pays." Banquet Room, 2nd Floor, Lister Hall. 4:00 p.m.

Department of Political Science. Professor Henry Milner of Laval University will speak on "Enhancing Democratic Participation." Room 10-4 Tory Building at 1:00 p.m.

NOVEMBER 20

University Teaching Services. Mick Price, Agriculture, Food, and Nutritional Science, as part of the UTS Brown Bag Lunch Series, will present: "Oral Exams: Tell me What you Know." 219 Central Academic Building from 12:05 to 1:00 p.m.

University Teaching Services. Berna Skrypnik, Human Ecology, Workshop on "How do I Know When I've Asked a Good Exam Question?" 281 Central Academic Building from 3:00 to 4:30 p.m.

Academic Technologies for Learning. Workshop. "Designing Interaction & Feedback." Workshop will discuss strategies to engage learners in productive and collaborative WebCT learning environments. Instructor: Ellen Whybrow-Howes, 2-111 Education North. 10:30 a.m. to 12:00 p.m. Register online at: www.atl.ualberta.ca

NOVEMBER 21

Museums and Collections, Origins Lecture Series. "Origins Among Invertebrate Animal Fossils." Dr. Brian Chatterton, Professor, Earth and Atmospheric Sciences, will take us on a journey to the Paleozoic era and discuss the origins of invertebrate animal fossils. Room 129, Education Building, from 7:00 to 9:00 p.m. Tickets are \$16 (adults)/\$12 (students and seniors) for a series subscription. Individual tickets are \$7.00 per person. To order call Museums and Collections Services at 492-5834. A limited number of tickets available at the door. The Origins Lecture Series is sponsored in part by the

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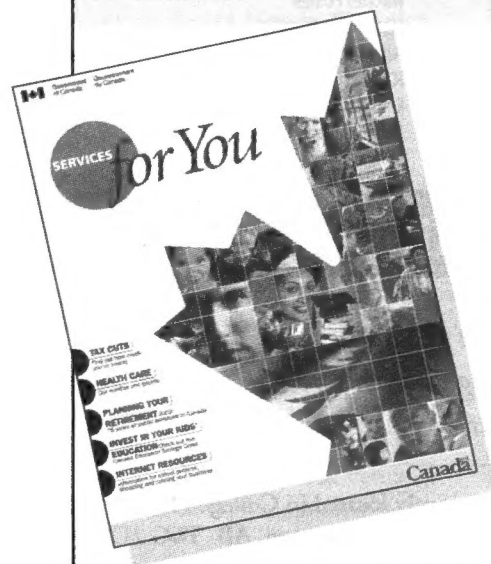
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Career and Placement Services. Self Employment Workshops. "From Principles to Promotions – Marketing for the Self-Employed." Room 2-100 Students' Union Building, from 5:00 to 7:30 p.m.

University Teaching Services. Brad Hestbak, Client Services. Workshop on "PowerPoint for Beginners" in Technology Training Centre from 4:30 to 6:00 p.m.

Department of Chemistry. 2001 Gunning Lecture Series. Professor Giacinto Scoles, Donner Professor of Science, Department of Chemistry and Princeton Materials Institute, Princeton University. "Superfluid Helium Clusters are Cool Nanomaterials for Synthesis and Spectroscopy." V-107 Chemistry Building. 2:00 p.m.

Department of Agricultural, Food and Nutritional Science. Nutrition & Metabolism Research Seminars. "Exercise in cancer survivors: Determinants and quality of life outcomes." Kerry Courneya, Faculty of Physical Education and Recreation. Classroom D (2F1.04) Walter Mckenzie Centre. 11:00 a.m. to 12:00 p.m.

Department of Music. The University of Alberta Symphonic Wind Ensemble, Fordyce Pier, Director. Program will include works by Grainger, Erb, Forsyth, Horowitz, and Welcher. 8:00 p.m. Convocation Hall, Arts Building. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

Department of Public Health Sciences. Colloquium and Grand Rounds. Occupational Health: Guest Speaker: Dr. Geoff Granville, Adjunct Professor. "Population-Based Chemophobia: A Challenge for the Toxicologist in Industry." Classroom D (2F1.04) Walter Mckenzie Centre. 12:00 to 1:00 p.m.

University of Alberta International Centre. Study in Lille – European Summer Program Information Session. 12:00 to 1:00 p.m. at International Centre. For information contact Judith at 492-1136.

University of Alberta International Centre. Study in South Africa Information Session. 4:00 to 5:00 p.m. at International Centre. For information contact Nancy at 492-5962.

Department of Biomedical Engineering. "Functional Neuromuscular Stimulation for Restoring Motor Acts after Spinal Cord Injury: Special Emphasis on Intraspinal Microstimulation." Dr. Vivian Mushahwar, Department of Biomedical Engineering, University of Alberta. Room 231 Civil Electrical Engineering Building. 5:30 p.m.

Academic Technologies for Learning. Workshop. "Moving Around the BELLE Interface." Introductory session hosted by the BELLE project aimed at those using the CLE (Client Learning Environment). Instructor: Metera / BELLE. Room 2-111 Education North. 12:00 to 1:00 p.m. Register online at: www.atl.ualberta.ca

Medical Genetics Rounds. Dr. Joe Clarke, Hospital for Sick Children. "Late onset GM2 Gangliosidosis ... potential experimental treatment." 12:00 to 1:00 p.m. in 2-07 Heritage Medical Research Center.

NOVEMBER 22

Department of History and Classics. Annual L.H. Thomas Lecture in History. Dr. Tina Loo, Department of History, Simon Fraser University. "Making a Modern Wilderness: Conserving Wildlife in Twentieth-Century Canada." Room 2-58 Tory Building. 3:30 p.m.

Department of Chemistry. 2001 Gunning Lecture Series. Professor Giacinto Scoles, Donner Professor of Science, Department of Chemistry and Princeton Materials Institute, Princeton University. "Self-Assembled Monolayers of Alkylthiols on Gold: Their Characterization and Use in the Study of Electron Transfer at, and Protein Adsorption on, Metallo-Organic Interfaces." V-107 Chemistry Building. 2:00 p.m.

Department of Music. Music for Instruments and Computers. David Eagle (aXio MIDI Controller), Russell Whitehead (trumpet), Laurie Radford (computer, electronics). Program will include works by Berio, DiScipio, Eagle, and Radford. Studio 27, Fine Arts Building 2-7. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

University of Alberta International Centre. Learn Portuguese in Rio. 12:30 to 1:30 p.m. at International Centre. For information contact Barry at 492-5960.

Academic Technologies for Learning. Workshop. "What is Your Teaching Style?" Instructor: Janice Picard. This workshop will be delivered using Centra, a data-conferencing system. Log onto Server at least 15 minutes ahead of time. You will need access to a newer multimedia computer; Windows 95 or later, with a sound card, and internet access. A headset designed for voice over the internet is also strongly recommended. Once your registration is confirmed, information on how to log into the event will be sent to you by email. Just remember to hang out a "Do Not Disturb" sign, and forward phone calls during the session. Synchronous Format. 12:00 to 1:00 p.m. Register on line at: www.atl.ualberta.ca

Career and Placement Services. Nutrition & Food Sciences Career Forum. \$4 in advance at CaPS (Room 2-100 Students' Union Building) OR NUFSSA (Room 204E, GSB) OR \$5 at the door. Room 243 Central Academic Building. 5:00 to 7:00 p.m.

Health Recovery Support Unit. "Coping with Stress at Christmas Time?" Presenter: Doug Schmidt, Wilson Banwell & Associates. Heritage Lounge, Athabasca Hall, 12:00 to 1:00 p.m. Free.

Molecular and Cell Biology of Lipids. Lecture. Dr. Marek Michalak, Department of

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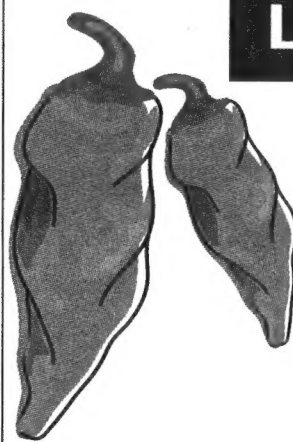
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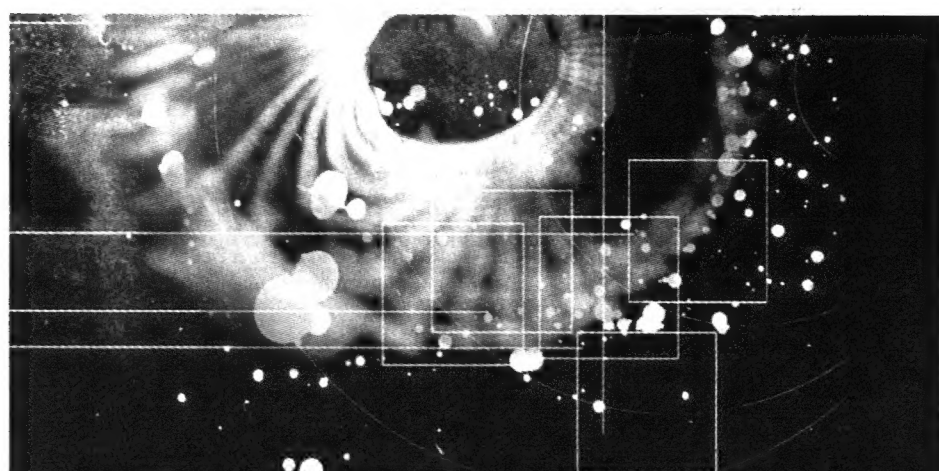
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Biochemistry, University of Alberta. "How is lipid/carbohydrate metabolism affected in calreticulin -/- mice?" Room 352 Heritage Medical Research Centre. 9:00 a.m.

NOVEMBER 22-24

The Canadian Cochrane Symposium 2001 will be held in Edmonton, Alberta. Location: Bernard Snell Hall. Times: 8:30 a.m. to 9:30 p.m. The Symposium will include presentations and hands-on sessions focused on the theme of "Marketing the Evidence" for good health-care decision making. Speakers will cover the Canadian and International perspectives of this topic. For more information, please visit the Symposium website at: <http://www.ualberta.ca/CCNC/symposium2001>

NOVEMBER 23

Department of History and Classics. Annual L.H. Thomas Lecture in History. Dr. Tina Loo, Department of History, Simon Fraser University. "Risky Business: Thinking About Wilderness and Modernity." Room 2-58 Tory Building. 3:00 p.m.

Department of Chemistry. 2001 Gunning Lecture Series. Professor Giacinto Scoles, Donner Professor of Science, Department of Chemistry and Princeton Materials Institute, Princeton University. "Helium Nano Droplet Isolation (HENDI) Spectroscopy of van der Waals clusters of Metal Atoms: Three-Body Forces, Chemical vs. Physical Bonding and the Insulator-to Metal Transition." V-107 Chemistry Building. 2:00 p.m.

Department of Music. The University of Alberta Opera Scenes. Alan Ord, Director "Mozart Plus One." An evening of scenes from Mozart The Marriage of Figaro, The Magic Flute, Così fan tutte and Menotti The Old Maid and the Thief. 8:00 p.m. Convocation Hall, Arts Building. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

University of Alberta International Centre. UAG Summer Program Information Session. 12:00 to 1:00 p.m. at International Centre. For information contact Barry at 492-5960.

University of Alberta International Centre. Peer Program Culture Night. 7:00 to 9:00 p.m. at International Centre. For information contact Angela at 492-9929.

Department of English. Seminar. "Teaching Wilde's Fairy Tales: Aestheticism as Social Critique in 'The Happy Prince' and as Cultural Critique in 'The Nightingale and the Rose'." Nicholas Ruddick, University of Regina. 4-29 Humanities Centre. 12:00 noon.

Earth & Atmospheric Sciences. ATLAS Seminar. Dr. Martyn Unsworth from the Institute for Geophysical Research at the University of Alberta presents "Tectonic studies of the Tibetan Plateau." Room 3-36 Tory Building. 3:00 to 4:00 p.m.

CANCELLED - Molecular Biology and Genetics Research Group (part of the Genetics 605 Seminar Series). Department of Biological Sciences. Michel Roberge, University of British Columbia, "G2 DNA damage checkpoint and spindle assembly checkpoint as targets for cancer therapy." Room M-149 Biological Sciences Building. 4:00 p.m.

Department of Biological Sciences. Ecology Seminar Series (part of the Biological 631 Seminar Series). Michelle Bowman, "Managing Eutrophication in the Canadian Mountain Parks." Room BS M-145, Biological Sciences Building. 12:00 noon.

Physics Department. Dr. Pawel Hawrylak, National Research Council, Ottawa, "TBA." Room V-129 Physics Building at 3:15 p.m. Please contact Sandra Hamilton 492-5287 for further details.

Department of Philosophy. Philosophy Colloquium. Brad Wray, Department of Philosophy, University of Alberta, speaking on "Social Selection and Functional Explanation." Room 4-29 Humanities Centre at 3:00 p.m.

Department of Physiology. Dr. Xing-Zhen Chen, Department of Physiology, University of Alberta. "Ion channels, cysts and mating." Room 207 Heritage Medical Research Centre. 3:00 p.m.

Department of English. Seminar. Elizabeth Harvey, University of Toronto. "Early Modern Skin Envelopes: The Place of Touch in Anatomy and Allegory." Room 5-20 Humanities Centre. 1:00 p.m.

NOVEMBER 23 AND 24

Centre for Entrepreneurship and Family Enterprise. Seminar for family businesses, "The Family Firm Today: Making the Most of Your Competitive Advantage." Stollery Centre, 5th Floor, Business Building. 8:30 a.m. to 4:00 p.m. both days. Call 492-5876 for more details.

The Faculty of Science of the University of Alberta and The Chemical Institute of Canada (Edmonton). Public Lectures. Joe Schwarcz, Director of the McGill Office for Chemistry and Society, Professor at Vanier College and Senior Adjunct Professor at McGill University. "Sense, Nonsense, and Science." Dentistry/Pharmacy Centre DP2104, 1:00 to 2:00 p.m.

NOVEMBER 24 AND 25

Devonian Botanic Garden Crafters' Association. Annual Christmas Craft Sale. The

Devonian Botanic Garden (5 km north of Devon on Highway #60). 10:00 a.m. to 4:00 p.m. Free admission.

NOVEMBER 25

Department of Music. The University of Alberta Madrigal Singers, Ardelie Ries, Conductor. Featuring Kodaly Misa Brevis, Parry When Soft Voices Die, Martin Ode a la Musique, Weelkes O Care, thou wilt despatch and Hence Care, thou art too cruel, Lauridsen Midwinter Songs. All Saints' Anglican Cathedral. 3:00 p.m. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

NOVEMBER 26

Department of Music. Noon-Hour Organ Recital. The recital presents a variety of organ repertoire played by students, faculty and guests of the University of Alberta Department of Music. Convocation Hall, Arts Building, U of A. 12:00 p.m. Free admission. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

Department of English. The 2001/02 F.M. Salter Lectures on Language. "The Embodied Word: Class, Gender, Race." Gary Kelly, Professor of English and Canada Research Chair. "Voicing the Spirit: Joanna Southcott." Humanities Centre Lecture Theatre at 3:30 p.m.

NOVEMBER 27

Department of Music. The Centre for Ethnomusicology. Workshop: "The Maihar Gharana Legacy. A Musical Style Globalized." Sarode Maestro Aashish Khan. Studio 27, Fine Arts Building 2-7. 7:00 p.m. Free admission. For more information, call 492-8211. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

Department of English. The 2001/02 F.M. Salter Lectures on Language. "The Embodied Word: Class, Gender, Race." Gary Kelly, Professor of English and Canada Research Chair. "Swing Shift: Sun Ra." (Bring your dancing shoes!) Humanities Centre Lecture Theatre at 3:30 p.m.

Academic Technologies for Learning. Workshop. "Project Management: Design Documents." Instructor: Sandra Dowie. Room 2-111 Education North. 12:00 to 1:30 p.m. Register online at: www.atl.ualberta.ca

NOVEMBER 28, 2001

Department of Public Health Sciences. Colloquium and Grand Rounds. Public Health Sciences Students' Association (PHSSA): Guest Speaker, Nelson Fok: Environmental Health Inspector with CHA: "Enteric Disease Rates for Alberta." Classroom D (2F1.04) Walter Mckenzie Centre 12:00 to 1:00 p.m.

Medical Genetics Rounds. Dr. Jim Stone, Biochemistry. "Regulation of ras in T cells - get a GRP." 12:00 to 1:00 p.m. in 2-07 Heritage Medical Research Center.

Health Recovery Support Unit. "Leadership & Listening." Presenter: Paul McGaffey, Lousage Institute. Heritage Lounge, Athabasca Hall, 12:00 to 1:00 p.m. Free.

University of Alberta Chapter of Sigma Xi. Lecture. Tim Caulfield, Health Law Institute, University of Alberta. "Clones, controversy and the law: Making rules in the biotech century." Athabasca Computing Science annex 3-33. Reception at 6:30 p.m. Lecture at 7:00 p.m.

NOVEMBER 29

Department of History and Classics. Ron Kroeker, Ph.D. candidate in Classics, University of Alberta. "Hemlock and Humour: Did Theramenes Die Like Socrates?" (Xenophon, Hellenica 2.3.52-56) Room 2-58 Tory Building, 3:30 p.m.

Department of Biochemistry. Dr. Mike Schultz, Associate Professor, Department of Biochemistry. "A New DNA Damage Pathway Involving an Oncogenic Protein Kinase." Room 207 Heritage Medical Research Centre. 3:00 p.m.

Academic Technologies for Learning. Workshop. "Developing Websites with Coldfusion." Instructor: Jim Boyes. Room 2-111 Education North. 12:00 to 1:00 p.m. Register online at: www.atl.ualberta.ca

NOVEMBER 29 AND 30

Cameron Library. Library Craft Sale. Professors Emeriti Reading Room, 3-03 Cameron Library. 9:30 a.m. to 3:00 p.m. Free Admission/Door Prizes.

NOVEMBER 29 TO DECEMBER 8

Studio Theatre. "Borders of Paradise" by Sharman MacDonald. 3-146 Fine Arts Building, Department of Drama, University of Alberta. Please call Box Office at 492-2495 for further details.

NOVEMBER 30

Department of Music. The University of Alberta Concert Choir. Debra Cairns, Conductor. Brahms Zigeunerlieder, Durufle Quatre Motets,



University of Alberta

Nominations invited for Faculty of Arts Teaching Awards

In the interest of recognizing teaching and to encourage teaching of the highest quality, the Faculty of Arts will present annually the following awards for undergraduate teaching:

1) Faculty Undergraduate Teaching Awards

Eligibility:Full-time continuing academic staff with at least five years of full-time teaching experience at the University of Alberta
Nominations:One from each department
Number of Awards:Up to three, normally one from each division of the Faculty
Deadline:15 January 2002

2) Sessional Instructor Teaching Awards

Eligibility:Instructors must have a minimum of nine course weights of teaching experience of which the most recent course was taught no earlier than the academic year preceding the one in which the nomination is made
Nominations:One from each department
Number of Awards:Granted to the three most deserving nominees in the Faculty taken as a whole
Deadline:8 February 2002

3) Graduate Student Teaching Awards

Eligibility:Teaching assistants or advanced graduate students from the current or previous academic year who have, or had, responsibility for teaching a course, or section, or lab for a minimum of two academic (four month) terms
Nominations:Two from each department
Number of Awards:Up to nine
Deadline:8 February 2002

Nominations can be made by students, colleagues and/or department Chairs. Interested persons should discuss possible nominations with the appropriate department Chair well in advance of the deadline.

Mendelssohn Op 59, and works by Hassler, Sweelinck, Holmboe, Chatman, Hindemith and Sviridov. Convocation Hall, Arts Building. 8:00 p.m. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

Department of Biological Sciences. Ecology Seminar Series (part of the Biological 631 Seminar Series). Daniel Fortin, "Foraging decisions at multiple spatial and temporal scales: a bison perspective." Room BS M-145, Biological Sciences Building. 12:00 noon.

DECEMBER 1

U of A Philosophers' Café: an opportunity for the public to engage in informal, lively conversation about philosophical or topical issues. Topic "Building a Culture of Peace." Guest Scholar: Swee-Hin Toh, Professor of Educational Policy Studies who was awarded the prestigious UNESCO Prize for Peace education in 2000 for his dedication to social justice, the environment and other causes. Moderator: Bernard Linsky, Chair, Department of Philosophy. Nina's Restaurant, 10139 - 124 Street, from 2:00 to 3:30 p.m.

Department of Music. Music at Convocation Hall. Menage a Trio. Stephane Lemelin (piano, Martin Riseley (violin), Tanya Prochazka (cello). Ludwig van Beethoven. Piano Trio in E flat, Op. 1, No. 1. Piano Trio in C Minor, Op. 1, No. 3. Piano Trio in B flat, Op. 11. Piano Trio in D, Op. 70, No. 1. (The Ghost.) Convocation Hall, Arts Building. 8:00 p.m. Admission: \$7/student/senior, \$12/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

DECEMBER 2

Department of Music. The University of Alberta Concert Band Concert. William H. Street, Director. Program will include works by Woelfenden, von Dohnanyi, Jan Bach, Walton, PDQ Bach, Hanson, Ticheli and Jenkins. Convocation Hall, Arts Building. 3:00 p.m. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

Department of Music. The University Symphony Orchestra Concert. Malcolm Forsyth, Conductor. Tanya Prochazka, Guest Conductor. Soloist: Ayako Tsuruta, piano. Featuring works by Prokofiev. Convocation Hall, Arts Building. 8:00 p.m. Admission: \$5/student/senior, \$10/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

DECEMBER 3

Department of Cell Biology. Alberta Heritage Foundation for Medical Research. Guest speaker: Dr. Greg Hannon, Associate Professor, Cold Spring Harbor Laboratory, New York, "Molecular aspects of post-transcriptional gene silencing in Drosophila." Seminar Room 5-10 Medical Sciences Building. From 9:30 to 10:30 a.m.

DECEMBER 4

Department of Music. Master of Music Recital. Duncan Wambugu, choral conducting. Convocation Hall, Arts Building. 8:00 p.m. Free Admission. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

DECEMBER 5

Department of Public Health Sciences. Colloquium and Grand Rounds. Environmental Health: Dr. Ken Froese, Assistant Professor: "TBA." Classroom D (2F1.04) Walter Mckenzie Centre. 12:00 to 1:00 p.m.

Medical Genetics Rounds. Dr. Sarah Childs, University of Calgary. "TBA." 12:00 to 1:00 p.m. in Room 2-07 Heritage Medical Research Center.

Department of Biological Sciences. Physiology, Cell and Developmental Biology Seminar Series (part of the Biology 642 seminar series). Daniel Barreda, "Fish macrophage development." Room G-116 Biological Sciences Building. 12:00 noon.

University of Alberta Christian Chaplains' Association and the Department of Music. Advent Festival of Nine Lessons & Carols. Featuring the University of Alberta Mixed Chorus and the Faculty of Education Handbell Ringers, Dr. Robert de Frece, Director. Dr. Marne Giesbrecht, Organist for the Service, and Student Organists from the Department of Music. Free Admission but advance tickets are required (call Tona Cota 492-7681 Ext. 235). Convocation Hall, Arts Building. 5:00 to 7:00 p.m.

Centre for Research on Literacy. Research Luncheon Series Fall 2001/2002. Jose da Costa, Department of Educational Policy Studies. "Fostering an Appropriate Culture for Literacy-Based Mentorship at an Inner-City Elementary." Room 651A Education South. 12:30 p.m. As lunch is catered, please RSVP to Paula Kelly at 492-4250, Ext. 292.

DECEMBER 6

Department of Music. Interactive Computer Music. A program of recent works by student composers at the University of Alberta. Studio 27, Fine Arts Building 2-7. 12:00 p.m. Free Admission. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

DECEMBER 7

Department of Biological Sciences. Ecology Seminar Series (part of the Biological 631 Seminar Series). Vince St. Louis, "Hg deposition in the high Arctic." Room BS M-145, Biological Sciences Building. 12:00 noon.

Department of Philosophy. Philosophy Colloquium. James Gaa, Department of Accounting and Management Information Systems, University of Alberta. "Doing a Good Job: Role Morality in a Post-Professional World." Room 3-10 Business Building. 3:00 p.m.

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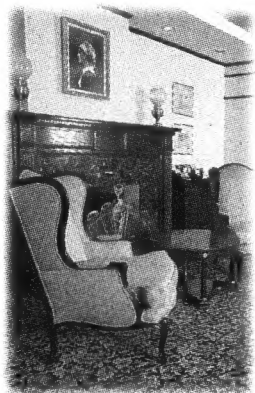
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Send your entry to 4-28 Mechanical Engineering Building or phone 492-9491 for more information. **Submission deadline: November 30, 2001.**

29A

29

Department of Music. Faculty and Friends. Musaeus String Quartet. Norbert Boehm (violin), Maria Geppert (violin), Graham Tagg (viola), Mark Rodgers (cello). Kenneth Hicken String Quartet No. 1 (1964), Wolfgang Amadeus Mozart String Quartet in D

Minor, K421, Antonin Dvorak String Quartet in A Flat, Op 105. Convocation Hall, Arts Building. 8:00 p.m. Admission: \$7/student/senior, \$12/adult. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

notices

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THE UNIVERSITY OF ALBERTA

LONG RANGE DEVELOPMENT PLAN OPEN HOUSE

November 27, 2001 4 - 9 p.m.

Footle Field, 6820-116 Street (Behind Balmoral Curling Club)

Please join us to review the progress of the Long Range Development Plan (LRDP). This is the second of three open houses with the goal of providing information and generating feedback. Staff will be on hand to answer questions and gather responses as the university presents the preferred planning concept of the LRDP Steering Committee. The preferred concept takes into account the results of the evaluations of the alternatives proposed at the first open house held in September 2001.

The LRDP is a planning document that provides development direction. It will help the university accommodate future growth as the university continues to build on its success as a leading institution of teaching and research.

Your participation is important and we hope to see you there. If you are unable to attend please refer to our website: www.ualberta.ca/consult. There you will find the information regarding Stage 2 of the LRDP and links to allow you to comment on the proposed concept.

For more information please contact Emily Rowan, Office of Public Affairs 689 GSB, University of Alberta Edmonton, AB, T6G 2H1 Phone: (780) 492-3024 Fax: (780) 492-2997 emilyp.rowan@ualberta.ca

EFF: MCCALLA PROFESSORSHIPS

SMALL FACULTIES - APPLICATION DEADLINE

Applications are invited from continuing faculty from the Faculties of Extension, Law, Nursing, Pharmacy and Pharmaceutical Sciences, Physical Education and Recreation, Rehabilitation Medicine, Faculté Saint-Jean, School of Native Studies, and

Interdisciplinary Research Units.

These prestigious awards provide full-time teaching relief for the period of September - April to enable recipients to pursue a research project in Edmonton.

Application information is available from Deans' offices.

Applications must be submitted to the Associate Vice-President (Academic) by December 1, 2001.

CHAIR SELECTION COMMITTEES: FACULTY OF ARTS

The University of Alberta Faculty of Arts wishes to announce that chair selection committees have been established for the Department of Linguistics and the Department of East Asian Studies. The committees invite nominations for the position of Chair in these departments as well as comments from members of the university community. These should be addressed to Kenneth Norrie, Dean of Arts, 6-33 Humanities.

SENATE COMMUNITY SERVICE RECOGNITION PROGRAM

The University of Alberta Senate is getting ready to launch its Community Service Program for 2002, a program designed to track and recognize volunteer efforts made by students, faculty and staff.

Last year the Senate Community Service Recognition Program discovered that, during the year 2000, staff, students and faculty donated over 5.5 years worth of service to a variety of communities. The Senate encourages volunteers to help catalogue this year's community service efforts.

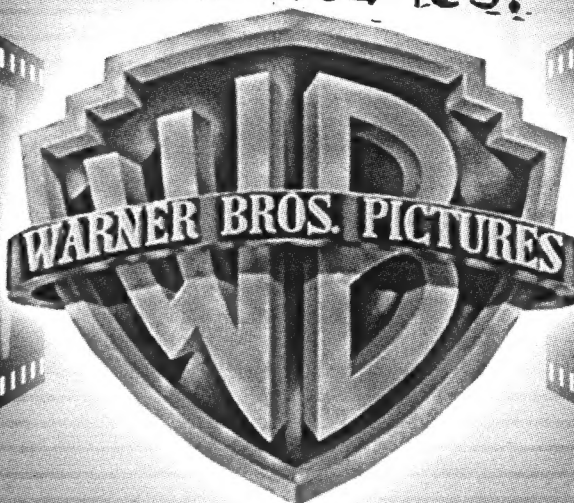
The Senate will publish statistical information about volunteer work conducted by the U of A community, and stage a celebration to recognize that community involvement.

To participate, visit the Senate's Community Service Recognition Program Web site at http://www.creative.ualberta.ca/senate/csp_home.cfm or www.hrs.ualberta.ca

Follow the prompts and register your volunteer information.

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REAL ESTATE – Buy or Sell, Leases (Furnished/unfurnished). Janet Fraser or Gordon W.R. King. Telephone: (780) 441-6441. www.gordonwrking-assoc.com Gordon W.R. King and Associates Real Estate Corp.

BELGRAVIA EXECUTIVE – Minutes to U of A. Two bedrooms, two bathrooms. Open plan, fireplace, huge private patio, fully furnished. \$1,400/month. December 15, 2001 – December 31, 2002. Janet Fraser, Gordon W.R. King and Associates Real Estate, 441-6441.

EAGLE RIDGE PLACE, three bedroom, two storey facing ravine. Finished lower level, double garage, fully furnished. January 1, 2002 – March 31, 2002. \$1,800 unfurnished, \$2,200 furnished. Janet Fraser, Gordon W.R. King and Associates Real Estate, 441-6441.

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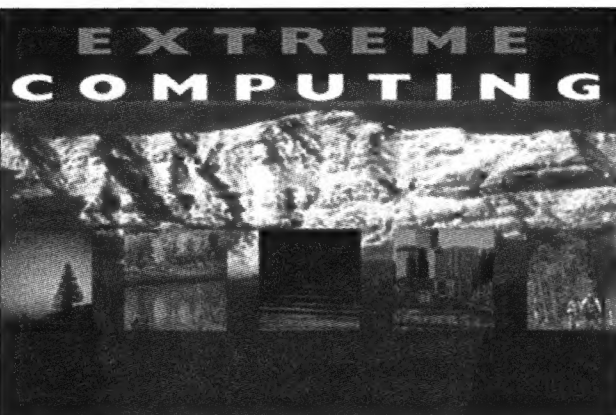
Chair Selection Committees:

THE FACULTY OF

FACULTY OF ARTS

ARTS

The Faculty of Arts wishes to announce that chair selection committees have been established for the following departments: Linguistics and East Asian Studies. The committees invite nominations for the position of Chair in these departments as well as comments from members of the University community by Dec. 31, 2001. These should be addressed to Kenneth Norrie, Dean of Arts, 6-33 Humanities.



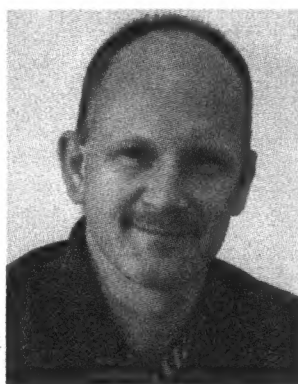
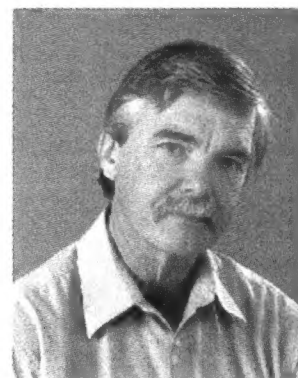
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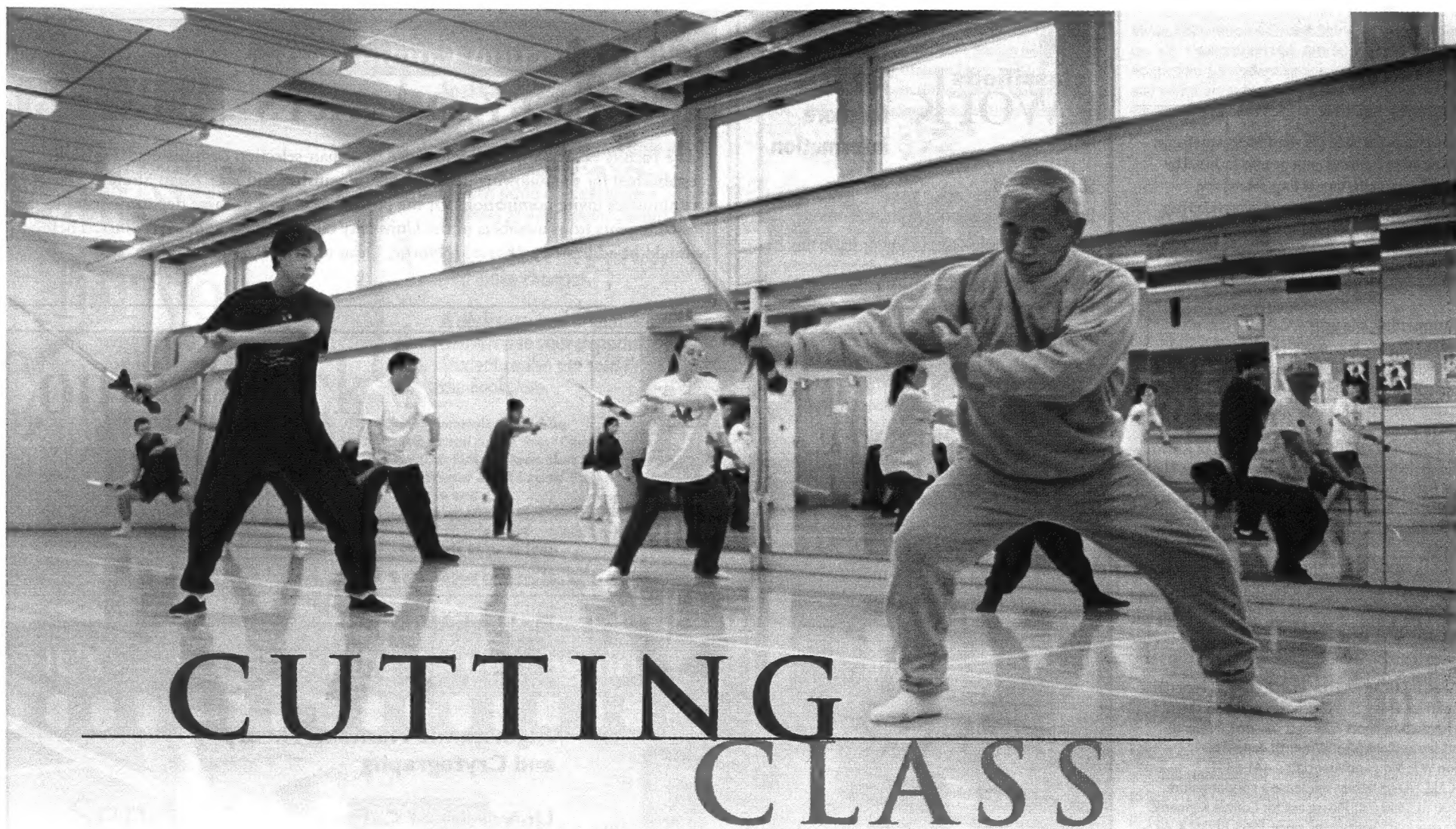
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Marcus Bence

CUTTING CLASS

T'AI CHI TAKES ON ADDED DIMENSION WITH SWORDS

By Gilbert A. Bouchard

At first glance, it seems much like any other lunch hour fitness class offered by Campus Recreation. Students slowly file into the mirrored basement fencing studio, chatting and edging themselves into warm-up exercises.

The only indication that this class is at all atypical is revealed when students reach into their gym bags and produce elaborately decorated sword hilts which, with a deft flick of the wrist, release an arm's-length retractable blade.

A few of the more ambitious students spread out evenly across the room to start practicing with their weapons. But this clearly isn't a fencing class. The students walk through elaborate sequences of movements, swinging the plastic, light-weight weapons in long, arching circles and executing complicated full-body gestures that synchronize both hands.

The students are part of Gordon Chan's T'ai Chi Sword class, an ancient relative to the more recognized T'ai Chi Chuan: the Chinese slow-motion martial art/exercise known for its graceful full-body posture sequences.

Chan has practiced T'ai Chi for more than 40 years and has taught it at the U of A since the early 1980s. In class, he has his students practice their moves bladeless more often than not, illustrating the similarity the form shares with its free-hand cousin. T'ai Chi Sword shares far more with traditional T'ai Chi than simple range of movement. Chan notes that both variants are martial arts that share deep Taoist roots. For example, graceful arm movements reflect both the infinite aspect of a circle and a Taoist world view, just as the stress T'ai Chi puts upon balance, physical harmony and the mastery of conflicting natural forces does.

"It's also about circles in circles: your whole arm moves in a large circle from the shoulder joint, while your wrist is



moving in smaller circles," said Chan. "We work with body alignment. You utilize opposites—palms up and down, legs bent and straight, breath in and out—moving from potential to dynamic energies."

The martial art also fits into ancient Chinese medical practice and helps balance the body's energy fields—a fact not lost on many modern practitioners who turn to T'ai Chi for its stress-busting properties.

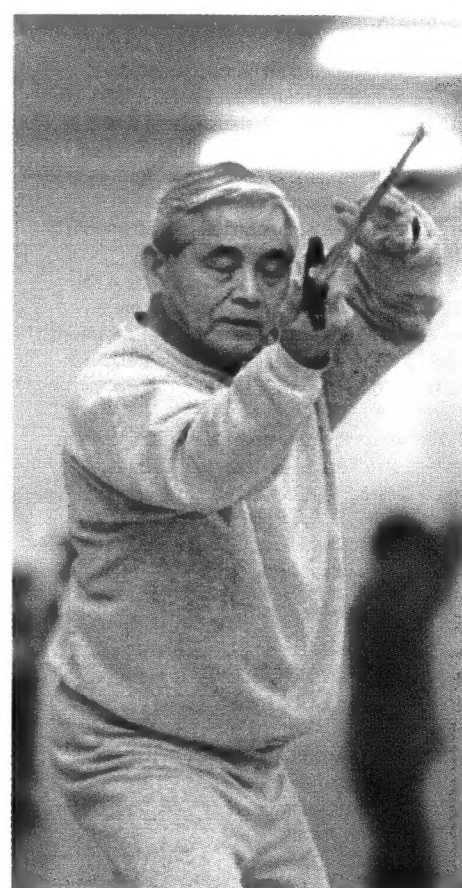
Yet, potential students should know the health benefits are not instant. "Some students discover that their stress levels increase at first when they start the class," said Chan, noting that the practice of T'ai Chi Sword relies on a massive up-front deployment of mental energy to control the body and movements until it becomes practiced and second nature.

As for its appeal to students, the stress-busting and exercise benefits are attractive, but the deciding factor to participate often lies elsewhere.

Leanne Stobel and Alicia Backman-Beharry, both third-year law students, were attracted because of the inherent romance of swords.

"We originally tried to sign up for yoga, but it was sold out," said Stobel. "This class just jumped out."

"It's the danger element," added Backman-Beharry, who finds the class a refreshing break between classes. "It sounded so much more exciting than T'ai Chi with fans."



T'ai Chi sword instructor Gordon Chan leads his students through a series of slow, graceful postures at the Van Vliet centre. Participants experience a mental and physical workout that reflects a Taoist philosophy.

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